

20050517.ba v03_n807.bam.20050517

>From ???@??? Tue May 17 21:10:54 2005 -0500
Date: Tue, 17 May 2005 21:07:27 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3807
Message-Id: <20050518020727.E6CC840833@srvr1.theporch.com>

BOATANCHORS Digest 3807

Topics covered in this issue include:

- 1) Re: Program for keeping inventory.
by "Brian Clarke" <brianclarke01@optusnet.com.au>
- 2) Re: xtra Dayton Hamvent parking ticket
by stuck in 50s <polepeeg@ba-watch.org>
- 3) Re: History of tetrodes and beam tubes
by stuck in 50s <polepeeg@ba-watch.org>
- 4) Re: History of tetrodes and beam tubes
by "Brian Clarke" <brianclarke01@optusnet.com.au>
- 5) Re: History of tetrodes and beam tubes
by stuck in 50s <polepeeg@ba-watch.org>
- 6) Re: History of tetrodes and beam tubes
by "Tom Rauch" <w8ji@contesting.com>
- 7) Re: History of tetrodes and beam tubes
by Richard Loken <richardlo@admin.athabascau.ca>
- 8) Re BC-348 Trimmer Cap Repair
by "John Gibson" <gibsonj@mindspring.com>
- 9) 3 section electrolytic
by Robert Kemp <bkemp@bobkemp.com>
- 10) Re: 3 section electrolytic
by "Al Parker" <anchor@ec.rr.com>
- 11) Dynatron Oscillators and Tetrodes
by "Dr. Barry L. Ornitz" <ornitz@charter.net>
- 12) CW/SMS Battle on Tonight Show Friday 13th!
by Tom Norris <r390a@bellsouth.net>
- 13) Fwd: CW/SMS Battle on Tonight Show Friday 13th!
by "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>
- 14) Re: [R-390] CW/SMS Battle on Tonight Show Friday 13th!
by Robert Nickels <w9ran@oneradio.net>
- 15) Re: Fwd: CW/SMS Battle on Tonight Show Friday 13th!
by stuck in 50s <polepeeg@ba-watch.org>
- 16) tetrode
by "signetics@netzero.com" <signetics@netzero.com>
- 17) ADMINISTRIVIA: Fancy HTML in Posts
by listown@nanniandjack.com (Mail List Owner)
- 18) FS; National, Heathkit, Hallicrafters, Boonton, Millen and Eimac

Stuff

- by David Hollander <n7rk@cox.net>
- 19) Manual for a Trans-Meter
by Jim Allen <imaham@sbcglobal.net>
- 20) ACR-27 modulator
by Larry B <gerboid@comcast.net>
- 21) Johnson Ranger Serial Numbers
by David Hollander <n7rk@cox.net>
- 22) Re: [Johnson] Johnson Ranger Serial Numbers
by Kim Herron <kherron@voyager.net>

Message-ID: <006e01c55693\$4a351060\$0404a8c0@brian>
From: "Brian Clarke" <brianclarke01@optusnet.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Program for keeping inventory.
Date: Thu, 12 May 2005 11:38:24 +1000
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_006B_01C556E7.1B5AD960"

This is a multi-part message in MIME format.

-----=_NextPart_000_006B_01C556E7.1B5AD960
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

3" x 5" index cards! Wow, now there's an idea waiting to be exploited.
Thanks for reminding us, Ed.
Brian.

-----=_NextPart_000_006B_01C556E7.1B5AD960
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----=_NextPart_000_006B_01C556E7.1B5AD960--

Date: Thu, 12 May 2005 03:08:33 -0400 (EDT)

From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200505120708.j4C78XWY012509@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: xtra Dayton Hamvent parking ticket

> It's a passeto park in what was called VIP lot. Lot's right
next to boneyard and passes are courtesy xtras for vendors.

Advertised on a local remailer on Tues so it went to early responder there

One of y'all said "I don't understand...." Stupid typo, the 'e' in
'passeto' should have been a blank.

Marty

Date: Thu, 12 May 2005 03:30:52 -0400 (EDT)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200505120730.j4C7Uq4t012641@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: History of tetrodes and beam tubes

Barry the right KT66 link is

<http://encycl.opentopia.com/term/KT6>

And it SAYS RCA licensed the 'Harries patent' from Mullard to launch into
their big "beam power" marketing expedition

Take note Australia

Marty

Message-ID: <013901c556cf\$7998c040\$0404a8c0@brian>
From: "Brian Clarke" <brianclarke01@optusnet.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: History of tetrodes and beam tubes
Date: Thu, 12 May 2005 18:49:02 +1000
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0134_01C55723.44118D40"

This is a multi-part message in MIME format.

-----_NextPart_000_0134_01C55723.44118D40
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

We Australians are well aware of the order of prior art. It seemed to be =
a North=20
American who thought they had invented the kinkless tetrode.

Here is my earlier rejoinder:
>Now, isn't that interesting? I heard it was the other way around - that =
a couple of=20
British engineers designed the kinkless tetrodes and offered them to the =
Americans.=20
But, as Sarnoff was into ripping off everyone he could, including Edwin =
Armstrong,=20
he paid nothing and pinched the designs anyway.
Isn't it strange how history gets revised?

to <stuck in 50s>:
>Ya know those were aligned grid things that were dead-man design copies
of the RCA 'beam power' series. =20
=20

73 de Brian, VK2GCE.
-----=_NextPart_000_0134_01C55723.44118D40
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
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* * * * *

-----=_NextPart_000_0134_01C55723.44118D40--

Date: Thu, 12 May 2005 07:25:48 -0400 (EDT)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200505121125.j4CBPmgc013380@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: History of tetrodes and beam tubes

Yo Brian

I'm acknowledging support for Mullard-Osram prior art. What surprised
me is that RCA licensed it, rather than ripping it off.

But nonetheless, RCA never let on it was anybody's but theirs

What's not clear to me is aligned-grid vs beam-forming plates. Looks like Phillips had patents on aligned grid pentodes & beam formers were the Harries M-0v patent. Seems both addressed & solved same problem.

I'm looking @ a Genelex KT88 & there's beam-forming plates. And a EL-34, a Phillips concoction, that seems an aligned-grid pentode

Then Eimac called their 4-125s, etc. beam tetrodes. The control grid and screen were concentric cages with elements aligned

Marty

Message-ID: <000e01c55701\$17095ac0\$6401a8c0@akorn.net>
From: "Tom Rauch" <w8ji@contesting.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: History of tetrodes and beam tubes
Date: Thu, 12 May 2005 10:44:23 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Then Eimac called their 4-125s, etc. beam tetrodes. The
control grid
> and screen were concentric cages with elements aligned

The major cause of failures where gold is evaporated from control grids in Eimac focused beam tubes is poor alignment of the gaps in cathode oxide bands and control grid wires. Get the grid wires into the beam, and the energy of electrons striking the gold will cause the gold to slowly migrate to other places and eventually ruin the tube.

Course those old 4-125's aren't a problem for grids. You can turn the grids red hot and not hurt em, unlike the sissy grids in MOX cathode tubes.

73 Tom

Date: Thu, 12 May 2005 09:59:49 -0700 (MST)
From: Richard Loken <richardlo@admin.athabasca.ca>
Subject: Re: History of tetrodes and beam tubes

To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <Pine.PMDF.3.95.1050512095852.541274660A-100000@admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Thu, 12 May 2005, stuck in 50s wrote:

> And it SAYS RCA licensed the 'Harries patent' from Mullard to launch into
> their big "beam power" marketing expedition

What? Was Mullard too big for RCA to bully them to death?

--

Richard Loken VE6BSV, Systems Programmer - VMS : "Anybody can be a father
Athabasca University : but you have to earn
Athabasca, Alberta Canada : the title of 'daddy'
** richardlo@admin.athabascau.ca ** : - Lynn Johnston

Date: Thu, 12 May 2005 12:40:40 -0700
Subject: Re BC-348 Trimmer Cap Repair
From: "John Gibson" <gibsonj@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Message-Id: <E1DWJZT-0000Up-00@pop03.mail.atl.earthlink.net>

I have repaired several trimmer caps such as those in the BC-348 and RBB, RBC with the following method.

Remove the trimmer. Clamp it in a machinists vise, using spacers to set the collar in the correct position, that is with the moving plates centered in the gap between fixed plates. Have the top flat on the collar horizontal. One of the spacers supports the bottom of the collar. Center punch the center of the flat.

Drill a hole completely through the collar and shaft such that a brad (finishing nail) only just fits in the hole, which means only about one thou clearance max. Remove trimmer from vise. Rough up the surface of the brad with the jaws of a pair of linesman pliers and hammer it in the hole while supporting the other side of the collar on a block of wood. Cut the ends of the brad off and file smooth.

The diameter of the hole drilled should be no more than one third of the inner shaft diameter.

John.

Message-ID: <4283B809.7060406@bobkemp.com>

Date: Thu, 12 May 2005 15:09:45 -0500
From: Robert Kemp <bkemp@bobkemp.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 3 section electrolytic
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Is there any other less expensive market for a 3 section 40mf/450v unit,
other than Tubes & MOre?

Bob

Message-ID: <072b01c55737\$9a20dd30\$3201a8c0@w8ut>
From: "Al Parker" <anchor@ec.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 3 section electrolytic
Date: Thu, 12 May 2005 17:14:36 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob,

Sure, re-stuff your old one yourself, it's reasonably easy. Take a
look at:
<http://www.thecompendium.net/radio/filtercap.htm>
to see how it's done. I've added R-388 2-secn 33@450 and SP-600 3-secn
22@450 there, but haven't written in the specific process for them yet.
I'll even do it for you for a reasonable labor + parts cost. I figure \$15
labor plus the discrete capacitor prices, in your shell. I don't have
very many "cores" so can't offer outright, just exchange or re-stuff
yours.

I'll get that page updated, maybe yet tonite. (bathtubs are possible,
too.)

73,

Al, W8UT

New Bern, NC

BoatAnchors appreciated here

<http://www.thecompendium.net/radio/>

<http://www.hammarlund.info>

----- Original Message -----

From: "Robert Kemp" <bkemp@bobkemp.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Thursday, May 12, 2005 4:09 PM
Subject: 3 section electrolytic

> Is there any other less expensive market for a 3 section 40mf/450v unit,
> other than Tubes & MOre?
> Bob
>
>

Message-ID: <008701c5574a\$dec4c100\$59f79718@barry1>
From: "Dr. Barry L. Ornitz" <ornitz@charter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Dynatron Oscillators and Tetrodes
Date: Thu, 12 May 2005 19:32:32 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 format=flowed;
 charset="iso-8859-1";
 reply-type=original
Content-Transfer-Encoding: 7bit

Marty, AA4RM (polepeeg@ba-watch.org), and I were having an offline discussion of tetrodes used as negative resistance oscillators. Here the "kink" in the tube characteristics where the screen voltage is higher than the plate voltage is used to advantage because this is a negative resistance region. I thought the group might be interested too.

The oscillator employing the negative resistance properties of tetrodes is called a dynatron oscillator. It is an interesting oscillator in that it is a "two terminal" oscillator. The external resonant circuit almost solely determines the oscillation frequency and it requires only two connections. Compare this to a Hartley oscillator which requires a tapped coil, or a Colpitts oscillator which uses a tapped capacitor. In variations of these like the Seiler, Vackar and Pierce circuits, and even the venerable old tuned-plate, tuned-grid oscillator, the oscillation frequency is determined by more than just the parallel resonance of a simple tuned circuit.

Dynatron operation is relatively trouble free compared to most other circuits for achieving negative resistance which sometimes require considerable adjustments. About the only thing simpler is the Esaki (tunnel) diode which is rather scarce these days. The dynatron only requires a screen voltage somewhat higher than the plate voltage. I guess technically a neon lamp relaxation oscillator is a negative resistance oscillator too. Here the firing voltage is less than the

sustaining voltage and the abrupt drop in lamp voltage when the ionization starts forms the negative resistance.

If you really want to get into details here, Reich's "Functional Circuits and Oscillators" is the book to read. Reich is best known for his microwave work at the MIT Radiation Laboratory, but this book is a wealth of great information too (both vacuum tube and transistor circuits are discussed). I particularly liked the analysis of the van der Pol oscillator. This was originally a pentode circuit but today the name is applied to many types of automatic control systems with non-linearities that cause the system to go into a limit-cycle (another term for oscillation).

If you are into biographies, that of Balthasar van der Pol is a good one. See the IEEE History Center Page at

http://www.ieee.org/organizations/history_center/legacies/vanderpol.html

for a brief one.

73, Barry WA4VZQ ornitz@tricon.net

Mime-Version: 1.0 (Apple Message framework v728)
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <EFDB922E-23BC-4F73-91CC-7F2B5DABCF92@bellsouth.net>
Content-Transfer-Encoding: 7bit
From: Tom Norris <r390a@bellsouth.net>
Subject: CW/SMS Battle on Tonight Show Friday 13th!
Date: Thu, 12 May 2005 19:28:28 -0500
To: Old Tube Radios <boatanchors@theporch.com>

Got this heads-up from a local ham. What store? HRO maybe?

Tom

> Tomorrow, Friday May 13th, the Tonight Show will feature a message
> sending/receiving contest between a cell phone text messaging team
> and a
> morse code team. The morse code team will consist of Chip Margelli,
> K7JA
> and Ken Miller, K6CTW. The Tonight Show people called the store
> yesterday
> to see if we could come up with two fast morse operators. Chip and
> Ken do
> a lot of contests and DXpeditions. Joe Drago, props manager for the
> show is

> KF60CP.

Message-ID: <20050513010422.7328.qmail@web54604.mail.yahoo.com>
Date: Thu, 12 May 2005 18:04:22 -0700 (PDT)
From: "J.D. Mac Aulay, WQ8U" <jmac6235@yahoo.com>
Subject: Fwd: CW/SMS Battle on Tonight Show Friday 13th!
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="0-358271260-1115946262=:5519"

--0-358271260-1115946262=:5519
Content-Type: text/plain; charset=us-ascii

Tom Norris <r390a@bellsouth.net> wrote:From: Tom Norris <r390a@bellsouth.net>
Subject: CW/SMS Battle on Tonight Show Friday 13th!
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To: Old Tube Radios <boatanchors@theporch.com>

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--0-358271260-1115946262=:5519
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
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* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

--0-358271260-1115946262=:5519--

Message-ID: <42841C54.5090205@oneradio.net>
Date: Thu, 12 May 2005 22:17:40 -0500
From: Robert Nickels <w9ran@oneradio.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: glowbugs@piobaire.mines.uidaho.edu, boatanchors@theporch.com,
r-390@mailman.qth.net
Subject: Re: [R-390] CW/SMS Battle on Tonight Show Friday 13th!
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Here's a little more information on how this unfolded.

Keith W9KGY was contacted by the producer last Wednesday, and referred him to Ken Miller K6CTW, who is a Morse Telegraph Club member in the Los Angeles area. They were to videotape him doing a CW demonstration in Fullerton over the weekend, and he was later notified that the demonstration would have to be taped this coming Friday morning.

According to W9KGY "Since we had no time to get telegraphers lined up, Ken worked it out with another ham to work with him and they were going to use CW and that Yaesu is supplying the radios, FT-817D's. I still feel bad that we didn't have time to line up two top telegraphers. It was do it Friday or else! It is supposed to be a one minute segment. I'll have to record the show because that is past my bedtime."

So that's how it happened, and obviously explains the Yaesu connection.

73, Bob W9RAN

Date: Fri, 13 May 2005 08:05:11 -0400 (EDT)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200505131205.j4DC5Bax018127@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Fwd: CW/SMS Battle on Tonight Show Friday 13th!

I say someone out there get the "cell-phone text messaging team's" number then begin an onslaught of the provider's website feigning attempt @ a number change.

The team's cell-phone may never recover

There's a saying that applies

Youth and enthusiasm are no match
for age and deceit.

Mime-Version: 1.0
From: "signetics@netzero.com" <signetics@netzero.com>
Date: Fri, 13 May 2005 18:00:13 GMT
To: Old Tube Radios <boatanchors@theporch.com>
Subject: tetrode
Content-Type: text/plain
Message-Id: <20050513.110045.11718.15081@webmail06.nyc.unttd.com>

If you try to use a UY-224 as a negative resistance oscillator
you will run into problems. The later 24s were specially constructed
to prevent oscillation.

Use an early one. A globe tube

Phil

From: listtown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Fancy HTML in Posts
Date: Fri, 13 May 2005 11:15:00 -0700 (PDT)
Message-Id: <20050513181500.84A9D1675A@osr506.nanniandjack.com>

Gang-

Please accept this periodic posting as it is intended:

A suggestion that will help everyone on the list...

Many many of the members of the list read through text-based mailers on
systems of other than WIntel origins... this is particularly true for
those members who are "off-shore" where the technology is too expensive
to justify. Just keep in mind that NOT everyone reads the list postings
with the very latest windowed technology.

PLEASE avoid the use of HTML and "quoted printable" in your email. If
you don't know what this means, then PLEASE get help and set your mailer
up so that you send your posts to the list in "PLAIN TEXT" only, with NO
fancy HTML.... generally, avoid fancy fonts and colors, which will force
your mailer to use the fancy stuff, and creates the problem.

The problem is serious enough that we have taken steps to protect the list... we have created a filter that detects anything sent to the list that is not plain text, and deletes the rest of the message from the place where the non-text is detected.

You may have seen "FORBIDDEN FORMAT" in a post to the list, and wondered what happened... it is the phrase we insert to let the poster know that the post contained a binary, an attachment, HTML, a "vcard" or some other format that presents a problem to the List Processor... it enforces consideration of your fellow BoatAnchors members.

PLEASE use only plain text.

PLEASE Get help with setting your mailer to not send the fancy HTML and quoted printable.

PLEASE be considerate of the list resources and your fellow members.

Thanks for your attention

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Fri May 13 11:15:00 PDT 2005

Message-ID: <42850197.3040407@cox.net>
Date: Fri, 13 May 2005 12:35:51 -0700
From: David Hollander <n7rk@cox.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS; National, Heathkit, Hallicrafters, Boonton, Millen and Eimac Stuff
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Here are some items for sale. Prices do not include shipping. I am open to reasonable offers. I will ship overseas.

Boonton Measurements Model 59 Megacycle Meter (GDO).....\$130 plus shipping

This is a 3 tube grid dip oscillator (GDO) that covers 2.2 MHz to 400 MHz with seven plug-in coils. It consists of a compact oscillator connected to the power supply by a small flexible cord. The tuned circuitry coil is mounted externally so that it can be used for coupling to other circuits. The unit works well and is in excellent condition. Includes a photocopy of the manual.

<http://members.cox.net/radiodx3/boonton59.JPG>
<http://members.cox.net/radiodx3/boonton592.JPG>
<http://members.cox.net/radiodx3/boonton593.JPG>
<http://members.cox.net/radiodx3/boonton594.JPG>
<http://members.cox.net/radiodx3/boonton595.JPG>

Eimac 4-125 Transmitting Tubes-Pair.....\$50 plus shipping
Visually look OK with no burn marks. Filaments test OK for continuity. I
am unable test further.
<http://members.cox.net/radiodx3/41252.JPG>

National RAS HRO Junior Receiver Coil Set and Box.....\$275 plus
shipping
The 5 coils are as follows: 1 - 190-450 kHz, 4 - 2-4 MHz (80/75 meters),
5 - 4-7 MHz, 6 - 7-14 MHz (40 and 30 meters)
and 7 - 14 -30 MHz (20, 15 and 10 meters). The coils and wooden box are
in great shape. All coils work except coil 1 which has an open.
http://members.cox.net/radiostuff9/ras_coilset.JPG
http://members.cox.net/radiostuff9/ras_coilset1.JPG
http://members.cox.net/radiostuff9/ras_coilset2.JPG
http://members.cox.net/radiostuff9/ras_coilset3.JPG
http://members.cox.net/radiostuff9/ras_coilset4.JPG
http://members.cox.net/radiostuff9/ras_coilset5.JPG

Hallicrafters SR-42.....\$75 plus shipping
A separate transmitter receiver that puts out 5-6 watts and covers
144-148 MHz. This is a crystal controlled radio that also has provisions
for the HA-26 VFO It will probably will work with other VFO's with an 24
MHz fundamental frequency. The transmitter uses 24 MHz crystals and
includes two crystals for 145.14 MHz and 146.52 MHz. I used this for a
while with the HA-26 VFO to check into our local 2 meter AM net. The
unit works well and has good audio. It does have some scratches and
spots where the paint is missing. Includes the microphone, power cord
(often missing) and a photocopy of the manual.
<http://members.cox.net/radiodx3/hallisr42.JPG>
<http://members.cox.net/radiodx3/hallisr423.JPG>

Electro-Voice EV-621L Dynamic Desk Microphone.....\$50 plus shipping
Low impedance desk mike. Tested and working, the mike is in nice shape
with a few minor scuffs.
<http://members.cox.net/radiostuff9/ev621l.JPG>

James Millen Frequency Meter Set I-129-(B) (Wavemeters).....\$50 plus
shipping
Military set of four James Millen wavemeters covering 1.5 to 40 MHz.
This is the Signal Corps U.S. Army version and the box says manufactured
by Munston Mfg. and Service. The wavemeters were manufactured by James
Millen. These are in excellent condition. The wooden carrying case has

the callsign of a previous owner. Here are the frequencies of each wavemeter:

*Meter No. 1: 1.5-3.5 MHz, *Meter No. 2: 3.5 - 8 MHz, *Meter No. 3: 8 - 18 MHz, *Meter No. 4: 18 - 40 MHz

<http://members.cox.net/radiostuff9/wavemeterset3.JPG>

<http://members.cox.net/radiostuff9/wavemeterset.JPG>

<http://members.cox.net/radiostuff9/wavemeterset4.JPG>

Heathkit AJ-32 AM FM Tuner.....\$100 plus shipping

A vintage vacuum tube am/fm tuner from the early 1960's that matches the AA-100 Stereo Combination Amplifier and AA-151 Stereo Amplifier. The unit is very clean and works well. It is plug and play. Includes the original manual.

http://members.cox.net/radiodx3/heath_aj32.JPG

http://members.cox.net/radiodx3/heath_aj322.JPG

http://members.cox.net/radiodx3/heath_aj324.JPG

http://members.cox.net/radiodx3/heath_aj35.JPG

http://members.cox.net/radiodx3/heath_aj327.JPG

Thanks for looking.

Dave N7RK Boatanchors Home Page: <http://members.cox.net/n7rk>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

Message-ID: <20050513223726.96302.qmail@web81004.mail.yahoo.com>

Date: Fri, 13 May 2005 15:37:26 -0700 (PDT)

From: Jim Allen <imaham@sbcglobal.net>

Subject: Manual for a Trans-Meter

To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0

Content-Type: multipart/alternative; boundary="0-406916340-1116023846=:96252"

--0-406916340-1116023846=:96252

Content-Type: text/plain; charset=us-ascii

Hi,

I need a manual or copy of one for a Trans-Meter. It was made by the Electronic Specialty Co. in LA. It is a model 905.

Thanks,

Jim

NU6AM

--0-406916340-1116023846=:96252
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

--0-406916340-1116023846=:96252--

Message-Id: <4.3.2.7.2.20050514105632.00b21f00@pop3.norton.antivirus>
Date: Sat, 14 May 2005 10:58:15 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Larry B <gerboid@comcast.net>
Subject: ACR-27 modulator
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Anyone know where I can get a schematic and/or other info on the
ARC-27 modulator module? Just the modulator. Thats the only part that I
have. Thanks.....Larry

Message-ID: <42863A8C.7050707@cox.net>
Date: Sat, 14 May 2005 10:51:08 -0700
From: David Hollander <n7rk@cox.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Johnson Ranger Serial Numbers
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Is there any way to tell from the serial number whether a Ranger I is
factory built or was built from a kit?

Tnx and 73,

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://members.cox.net/n7rk>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

Message-Id: <5.2.0.9.2.20050514140823.035948f8@mail.voyager.net>

Date: Sat, 14 May 2005 14:09:38 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: Kim Herron <kherron@voyager.net>

Subject: Re: [Johnson] Johnson Ranger Serial Numbers

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Dave,

>Is there any way to tell from the serial number whether a Ranger I is
>factory built or was built from a kit?

Factory built Johnson radios have riveted tube sockets and the kit
built radios
used screws and nuts to mount them. That's how you tell a factory radio
from a kit.

Thanks!!

Kim Herron W8ZV

1-616-677-3706

Outgoing mail scanned for virus and worms
with McAfee Virus Scan

End of BOATANCHORS Digest 3807
